

**APPENDIX A:
Community Wildfire Protection Plan
Addendum 2009
Valley County Fire Working Group**

County Working Group Membership

Coordinator: John Lillehaug, IDL
Other Members:
Captain John Coombs, Valley County Disaster Services Coordinator
Ken Postma, Cabin Creek Enterprises
Steph Johnson, Cabin Creek Enterprises
Gary Phillips, USFS, PNF
Dusty Pence, USFS, BNF
Mark Woods, SITPA
Warren Sedlacek, BOR
Carol McCoy Brown, USFS, BNF
Mark Loseke, USFS, BNF
Andrew Lemberes, McCall Fire Department
David Jackson, Bureau of Homeland Security
Steve Hollenhorst, Uofl McCall Field Campus
Juan Bonilla, Donnelly Fire Department
Frank Yates, Donnelly Fire Department
Jim Hass, Cascade Rural, Cascade City Fire Department
Tamara Cook, USFS, BNF
Jerry Winkle, Chairman, Valley County Board of Commissioners
Wade Brown, West Central Highlands RC&D
Dave McClintock, Yellow Pine Fire Department
LaDawn Saxton, USFS, PNF
Gary Murphy, USFS, PNF
Mike Theisen, USFS, BNF
Chris Clark, IDL

The Fire Working Group is comprised of its general membership and four sub-committees for action items. The committees are currently active with the following tasks and commitments.

Sub-Committees

Lands

- Hazard Analysis Project
 - Process begun to utilize Fire Behavior Assumptions for FlamMap Fire Intensity Modeling as a way to tighten up the hazard assessment areas currently held in the CWPP.
- Project Locations
 - Completed
 - In Progress
 - Proposed - areas will be added to the high risk list
 - Map of project to be attached

Legislative

- Wildland Urban Interface Fire Protection Plan
 - Presented in Workshop to P&Z
 - Requested placement in Subdivision Regulation Update
 - Currently working with the County P&Z in workshop format. Recommended FWG Fire Mitigation Plan is now within the format of the new proposed subdivision regulations under consideration by the P&Z.

Response

- Updated Interagency Agreements with Federal and State and maintaining Annual Operating Plan.

Education

- This Committee is currently being formulated and it planned to become an essential element of the Fire Working Group beginning in 2010.

Hazardous Fuels Treatments, Non Federal Lands

This year the FWG Lands Sub-Committee began analyzing the Geographic Areas held in the CWPP. The coarsely drawn boundaries from the original draft no longer provide the level of accuracy required to pinpoint risk level. The plan to utilize modeling software was devised. An initial run with the following assumptions created a base layer for the more populated areas of Valley County. The group plans to add additional filters such as population, infrastructure (utilities), Fire Response (time, water, and access), Treatment Status and Recreation Areas.

Grant Projects

Current Projects

- 2008 Western States - Paddy Flat
- 2009 Emergency Supplemental Grant - Jughandle

Projects Recently Awarded

- 2009 Western States - Little Donner
- 2009 Community Fire Protection Grant - Paddy Flat 2

Projects under Application

- Kennedy Gold Dust

Projects on Shelf

- Heritage, Lake Cascade, Murray Creek, Red Ridge

Fire Behavior Assumptions for Valley County FlamMap Fire Intensity Modeling

For developing a site-specific risk assessment within Valley County, particularly for the populated areas, the fire behavior model FlamMap3 (<http://www.firemodels.org/content/view/71/85/>) was applied. This is a fire behavior mapping and analysis program that computes potential fire behavior characteristics (spread rate, flame length, fireline intensity, crowning potential etc.) over a FARSITE landscape for constant weather and fuel moisture conditions. This program requires two basic inputs: landscape file (.lcp); and weather file (.fms).

The landscape file was selected from Landfire data (Rapid Refresh, circa 2008). The portion identified for this exercise was that which related to the populated areas of Valley County. The file was downloaded from: (http://www.landfire.gov/products_overview.php) as an .lcp file.

The weather file was created using historic weather data from the McCall Weather station (101209), downloaded from: (<http://fam.nwcg.gov/fam-web/weatherfirecd/idaho.htm>) which best represented the fire weather for the area of concern. Due to climate change the most recent ten years of data (1998–2008) was determined to be the most relevant to modeling the future fire behavior and served as an input into Fire Family Plus (4.0) (<http://www.firemodels.org/content/view/15/29/>) a Windows program that combines fire climatology and occurrence analysis. Using Fire Family Plus (4.0), the percentile of weather tool was applied to determine the environmental conditions of the 97th percentile day. The parameters to determine this included wind from any direction and did not include windspeed. The Fire Family Plus (4.0) outputs for the 97th percentile weather were as follows:

| | |
|--------------------------------|------|
| 1 hour fuel moisture: | 4 % |
| 10 hour fuel moisture: | 5 % |
| 100 hour fuel moisture: | 10 % |
| Live herbatious fuel moisture: | 72 % |
| Live woody fuel moisture: | 83 % |

The fuel moisture information was applied to the Standard Comprehensive Fire Behavior Fuel Models (http://www.fs.fed.us/rm/pubs/rmrs_gtr153.html).

The wind inputs were identified as blowing uphill at 15 mph.

Wildland Urban Interface Fire Protection Plan - A proposed Addendum to the Valley County Subdivision Regulation.

Purpose: Valley County's Community Wildfire Protection Plan acknowledges that wildfire hazard areas exist throughout the County. Therefore, wildfire mitigation actions are prudent to enable safe habitation in these fire environments. The Valley County Fire Working Group recommends that a requirement for the development and approval of a Wildland Urban Interface Fire Protection Plan be added as an addendum to the Valley County Subdivision Regulations Ordinance. The existence of said Plan will assist the Valley County Planning & Zoning Commission and the structural fire districts in satisfying the current Subdivision Regulation, Section 234, 4h or Section 230, 4h in the proposed updated Subdivision Regulation.

Basis for Recommendation: Valley County adopted the 2006 International Fire Code, which references the International Wildland-Urban Interface when dealing with wildlands. The following addendum's structure is based on the 2006 Wildland-Urban Interface Area Requirements Section 405.

Current published Geographic Areas as outlined in the CWPP- (Subdivisions within geographic areas not rated within each category at this time).

High-Extreme

- Jughandle Area
- McCall
- Little Donner - Sugarloaf

High

- Osprey Point (Very High)
- Tamarack
- Smith's Ferry
- High Valley
- Yellow Pine
- Big Creek - Edwardsburg
- Trails End
- Taylor Creek

Moderate High

- Donnelly
- West Mountain
- Cascade
- Pearsol – Horsethief

Moderate

- East Lake Fork
- Roseberry
- Blackhawk Estates - growth area, may need reassessment
- Gold Dust - Alpha - Round Valley

Low

- West Lake Fork

Sub-Divisions noted as High to Extreme because of their specific location.

- Payette River Sub-Division #1
- Wagon Wheel Area

Areas noted as High to Extreme because of their specific location.

- Gold Dust
- Whispering Pines

Hazardous Fuels Treatments, Federal Lands

USFS

1. Yellow Pine (PNF) - in progress
2. Landmark (BNF) - completed
3. Crawford (BNF) - in progress
4. Shoreline (BNF) - in progress
5. Williams Creek (BNF) - completed
6. Sixshooter (BNF) - in progress with separate units
7. Golden Gate (BNF) - in progress
8. Crawford East (BNF) - planned
9. Sriver (BNF) - planned
10. Paddy Flat (PNF) - in progress
11. Big Creek (PNF) - planned

Bureau of Reclamation

1. Project BC1 Boulder Creek – completed
2. Project BC2 Boulder Creek - in progress
3. Project BC3 Boulder Creek – in progress
4. Project BC4-7 Boulder Creek – in progress
5. Project RR2, LFC1 - LFC2 - Lake Fork - planned
6. Project CP1 - CP3 - Crown Point - planned
7. Project GFC1 – Gold Fork – in progress
8. Project GFC2 - Gold Fork - planned
9. Project O&M1 - O&M Zone - completed
10. Project C-1 – Cascade - planned
11. Project LFW1- LFW4 - Lake Fork - planned
12. Project NF1 - NF5 - North Fork Payette - planned
13. Project RR1 - Arrowhead Point - completed
14. Project DCC1 - Duck Creek - planned
15. Project DCW1 - Duck Creek – planned

Hazardous Fuels Treatments, State Lands

1. Center Ridge Timber Sale - planned
2. Paddy Cake Timber Sale - purchased
3. Paddy Flat Timber Sale - purchased
4. Crown Point HFT project – in progress
5. McCall 80 Fuel Reduction - in progress
6. Bo Tyee Fuelbreak - in progress

Firefighting Assistance

Needs Assessment for various Fire Districts and Response Agencies in Valley County
Not necessarily listed in order of priority.

Cascade Rural Fire Protection District

1. *Nomex Brush Jackets (12); Wildland Combi Tool (12); FoldaTank 1500 gal (1) ; and Portable Pump (1)*
2. *Certified in- house instructor for continuous education*
3. *Assist with funding for a full time employee for prevention and code enforcement with in the Urban*

Donnelly Fire Protection District - May 6, 2009

Staffing

| | |
|---------------------|----|
| Permanent Full Time | 9 |
| Volunteers | 18 |

Equipment

| <u>Equip.</u> | <u>Call #</u> | <u>Type:</u> | <u>Description:</u> |
|---------------|---------------|--------------|--|
| Donnelly | | | |
| E-1 | | Type 2 | 1997 BME Freightliner 4x4, 1250 gpm w/ foam, 1000 gal. |

| | | |
|-----|--------|---|
| E-2 | Type 2 | 2005 Pierce International, 1000 gpm, 1000 gal. |
| E-3 | Type 6 | 2006 GMC 5500 4x4, 100 gpm calf w/ foam, 113 gal. |
| E-4 | Type 4 | 1986 GMC 4x4, 200 gpm w/ foam, 300 gal. |
| T-1 | Type 2 | 2006 BME Freightliner, 1000 gpm, 3000 gal. |
| T-2 | Type 3 | 1978 Ford, 200 gpm, 1250 gal. |
| T-3 | Type 2 | 1958 Reo 6x6, 3000 gal. |
| R-1 | Rescue | 2007 BME Ford F-550 4x4 |
| R-2 | Rescue | 1976 Ford Heavy Rescue |
| C-1 | Pickup | 2008 Ford F-250 4x4 |
| C-2 | Pickup | 1998 Ford F-150 4x4 |

2 portable water pumps (200 gpm)
E- Engine, T- Tender, R- Rescue, C- Command.

Resource Needed:

Fire/ Fighter II class (2009)
Fire/ Fighter I class
Wild land fire/ fighter refresher class (2010)

McCall Fire Protection District

1. *Secure funding to hire 7 more full-time employees. This would allow staffing a four person engine company year round to ensure optimal structural protection and initial firefighting operations in the fire protection district.*
2. *Purchase another 3000 gallon Water Tender.*
3. *Purchase a new Type 6 Engine.*

Yellow Pine

1. *Used SCBA compressor*
2. *1000 feet of 1 1/2" hose*
3. *1000 feet of 3/4" hose*
4. *10-1 1/2" to 3/4" NH tee's*
5. *10-3/4" nozzles*
6. *10-Fire line sprinklers*
7. *Honda powered Mark 3 pump*
8. *10 Pulaski's*
9. *10 Forestry shovels*
10. *2 Mcleods*
11. *10 nomex shirts*
12. *2 dozen heavy leather gloves*
13. *1 dozen wildland goggles*

Southern Idaho Timber Protective Association

1. *Upgrade narrowband radio equipment (base stations, repeaters, mobiles, and hand held) to meet latest interagency digital standards (P25) and assure continued compatibility.*
2. *Replace serviceable but aged water tenders with newer vehicles to assure performance and limit potential liability issues.*

Other Issues

- *Encourage the employment of current technology for realizing more effective assessment, prevention and response. Specifically support the following efforts:*
 - *Development of a County-wide Geographic Information System*
 - *Use of county wide Hazard Assessment Software Applications*
- *Maintain the Community Wildfire Protection Plan as a living document and in the short term:*
 - *Analyze existing geographic areas for current hazard assessment.*


- *Identify areas outside a current rural fire district and encourage the development of a rural department.*
- *Improve working relationship with the State Fire Working Group and Homeland Security Bureau.*

Document Prepared by:
Valley County Fire Working Group

This document is accepted as a 2009 Appendix to the current Valley County Idaho Wildland-Urban Interface Wildfire Mitigation Plan on October 13, 2009.



Gerald Winkle, Chairman, Valley County Board of Commissioners

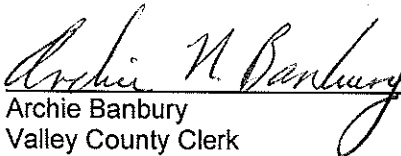


Jim Hass, Cascade Rural, Cascade City Fire Departments



John Lillehaug, Coordinator, Valley County Fire Working Group

Attest:



Archie Banbury
Valley County Clerk